# Boarding Home Fire Sprinklers Grant Program

## Application and Guidelines

State of Washington
Washington State Patrol – Office of the State Fire Marshal
Department of Social and Health Services –
Aging and Adult Services Administration

Revised August 23, 2001

#### Who May Apply:

Applications for Boarding Home Fire Sprinkler Grants may be sponsored by Boarding Homes licensed by the Department of Social and Health Services.

Visit the WSP web page at <a href="www.wa.gov/wsp">www.wa.gov/wsp</a> or the DSHS web page at <a href="http://www.aasa.dshs.wa.gov/professional/sprinklers/sprinklermain.htm">http://www.aasa.dshs.wa.gov/professional/sprinklers/sprinklermain.htm</a>, or contact Application Coordinator at (360) 705-5770, Fax (360) 586-0316, <a href="http://www.lglenn@wsp.wa.gov">http://www.lglenn@wsp.wa.gov</a>

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#### **Time Schedule for Grant Process**

Questions due to the Application Coordinator	Sept, 28, 2001
Questions and Answers e-mailed	Oct. 5, 2001
Applications Due	Nov. 2, 2001
Site Evaluations	Nov. 12,Nov 16, 2001
Announcement of Grant Awards	Nov. 29, 2001
Execution of Grant Agreements	Dec 14, 2001

#### I. Introduction

In response to a tragic fire that killed eight people on April 27, 1998, Governor Gary Locke took immediate action to establish a task force to study fire protection issues in licensed residential facilities in the state. The resulting work group, the Governor's Fire Protection Task Force, issued a report on December 23, 1998, listing a number of recommendations regarding fire protection areas of concern for licensed boarding homes. Included in these recommendations was the creation of a state fire protection fund for the purpose of ensuring that the 122 non-sprinklered boarding homes and 2 veterans homes listed in the report are equipped with fire sprinkler systems.

In response to this report, the 1999 Washington State Legislature included fire sprinkler funding for boarding homes in the 1999/2001Capital Budget. The 2001 Legislature reallocated funding in the 2001/2003 Capital Budget for fire sprinkler installation, and modified the grant eligibility guidelines which states that the State Fire Marshal (SFM), in consultation with the Department of Social and Health Services (DSHS), may develop rules to implement the grant program.

#### II. Eligibility

- To be eligible for a grant, the adult boarding home shall be licensed with DSHS. (IF
  ONLY PORTIONS OF THE BUILDING ARE LICENSED AS AN ADULT BOARDING HOME, THE GRANT
  WILL BE REDUCED PROPORTIONATELY TO THE RATIO OF LICENSED VERSUS NON-LICENSED
  FLOORS OR AREAS.)
- A boarding home with a resident ratio of <u>less than 15%</u> DSHS and/or low income clients <u>shall be eligible for 50%</u> of the difference between the cost of retrofitting and the cost of installing sprinklers during original construction of a comparable boarding home with fire sprinklers.
- A boarding home with a resident ratio of <u>15% or greater</u> DSHS and/or low income clients, shall be <u>eligible for 100% of the difference</u> between the cost of retrofitting and the cost of installing sprinklers during original construction of a comparable boarding home with fire sprinklers.
- A boarding home with a resident ratio of <u>75% or greater</u> DSHS and/or low income clients, shall be <u>eligible for 100% of the cost</u> of installing fire sprinklers.
- Any boarding home receiving a grant, or that has previously entered into a contract to receive grant funding, shall complete the installation of the fire sprinklers by <u>June 30</u>, 2003.

#### III. Steps for Completing the Application Process

**STEP 1 – Obtain bids for sprinkler installation.** Applicants must obtain a minimum of 2 bids for installing the sprinkler system. *Attachment 1* outlines considerations that should be taken into account for sprinkler system retrofitting bids. *Attachments 4-1 and 4-2* are separate bid worksheets – one for each licensed and bonded fire sprinkler contractor bid. Any other subcontractors that may be necessary for sprinkler retrofitting (such as fire alarm installation, hazardous material abatement, project management, permit and plan review fees, and client relocation costs) must also be identified in *Attachment 4-1 and 4-2*. A list of fire sprinkler contractors is available to you on the WSP web page at:

http://www.wa.gov/wsp/fire/sprinklr.doc

STEP 2 – Determine what the estimated cost would have been for sprinkler installation during original construction. Attachment 2 is a worksheet designed with statewide construction standards that will estimate installation costs during the original construction of your facility. If you need assistance in completing the worksheet, you may contact the Application Coordinator by e-mail. They will input the information you provide into the worksheet and return the completed worksheet to you with your facility information.

## STEP 3 – Obtain a letter of credit. - NOT REQUIRED FOR A BOARDING HOME WITH 75% OR MORE DSHS AND/OR LOW INCOME CLIENTS. As stated in SHB 1165 Sec. 503:

- □ The amount of the grant for an existing boarding home with <u>less than 15%</u> DSHS and/or low income clients <u>shall not be greater than 50%</u> of the difference between the cost of retrofitting (Attachment 4-1, and 4-2) and the cost of installing sprinklers during the original construction of a comparable boarding home (Attachment 2). Or:
- The amount of the grant for an existing boarding home with between 15% and 75% DSHS and/or low income clients shall not be greater than 100% of the difference between the cost of retrofitting (Attachment 4-1, and 4-2) and the cost of installing sprinklers during the original construction of a comparable boarding home. (Attachment 2). Or:
- The amount of the grant for an existing boarding home with <u>75% or more</u> DSHS and/or low income clients shall <u>provide for the complete installation</u> of fire sprinklers.

Although we do not require a formal letter of credit for this grant application, we do require a letter from a financial lending institution that states that the applicant has a line of credit sufficient to cover the applicant's share of the grant. This letter of credit must equal or exceed the amount estimated for the installation of sprinkler systems during original construction as indicated in your completed Attachment 2 New Installation Estimated Cost Sheet. The letter of credit must include a 10% construction contingency, and be included with your application, to successfully complete the application process.

**STEP 4 – Submit documents to the Application Coordinator.** In order for applicants to be considered for site evaluation and completion of the application process, the Application Coordinator must receive the completed application package from the applicant. The application package consists of:

- The applicant's Application Cover Sheet (Page A-1)
- A copy of the applicant's boarding home license
- The applicant's response to the Applicant Questionnaire (Page A-2)
- The completed Bid Worksheets (Attachments 4-1 and 4-2), you must attach all bid(s) from the vendor(s) performing work associated with this grant
- The completed New Installation Estimated Cost Sheet (Attachment 2)
- A letter of credit that equals or exceeds the amount estimated for the installation of sprinkler systems during original construction, and includes a 10% construction contingency. (If applicant is eligible for 100% funding, the letter of credit is not required.)

All required documents must be received by the Application Coordinator no later than **4:30 p.m. local time on November 2, 2001**. Applicants are encouraged to submit their completed documents as soon as possible.

**STEP 5 – Facility Inspection.** The criteria by which applications that meet the minimum requirements will be evaluated, is by the amount of risk posed to clients in the applicants' facilities. Applicants who submit their bids and letter of credit to the Application Coordinator will be scheduled for a visit by the Office of the State Fire Marshal, and DSHS's Aging and Adult Services Administration to determine the risks posed to clients at your facility.

**STEP 6 – Grant Award.** The Washington State Patrol, Office of the State Fire Marshal will award grants based on the evaluation score, with those applicants with higher risks to clients receiving precedence over those with lower risks.

Successful applicants will be required to execute a grant agreement with WSP and DSHS, and will be reimbursed for the state of Washington's share of the <u>actual costs</u> of installing the sprinkler system plus any associated costs (fire alarm modifications, client re-location etc.) as indicated in their grant application. Actual costs will be evidenced by invoices from subcontractors performing the work in accordance with the grant agreement between the successful applicant, the Washington State Patrol, and the Washington Department of Social and Health Services.

#### IV. How to Apply for Grants

Any oral communications will be considered unofficial and non-binding on the State of Washington. Applicants should rely only on written statements issued by the Application Coordinator:

Larry Glenn WSP Fire Protection Bureau P.O. Box 42600 Olympia, Washington 98504-2600

Telephone: (360) 705-5770 Facsimile: (360) 586-0316 E-mail: Iglenn@wsp.wa.gov

- V. <u>E-mail Communications:</u> You are encouraged to comment via e-mail for all communication EXCEPT THE APPLICATION PACKAGE to Iglenn@wsp.wa.gov
- VI. <u>Facsimile Communications</u>: You may use facsimile communication (fax (360) 586-0316) for all communications EXCEPT THE APPLICATION PACKAGE.
- VII. <u>Applicant Questions and Answers</u>: Specific questions concerning this application should be E-mailed to the Application Coordinator no later than <u>Sept 28, 2001</u>, at the address or facsimile above. Copies of all e-mailed questions and answers will be mailed or faxed by <u>Oct 5, 2001</u>, to the non-sprinklered boarding homes listed in the Fire Prevention Task Force's report. Only written responses will be considered official.
- VIII. <u>Delivery of Application</u>: Submit one (1) signed original and four (4) copies of your application package to the Application Coordinator at the address specified above. The Application Coordinator must receive all required documents no later than <u>4:30 p.m.</u> local time, by November 2, 2001.
- **Evaluation Team**: A review team consisting of staff from the Office of the State Fire Marshal and DSHS, will evaluate and rank proposals according to risk criteria. Should a tie exist between any facilities, SFMO/DSHS reserves the right to award the grant based on the availability of sprinklered boarding homes in the applicant's area.

DSHS/SFM reserves the right to adjust the funding allocation during the duration of the grant pursuant to the terms of the grant. The SFMO/DSHS may, at any time at its sole discretion and without penalty, reject any and all applications and/or issue no grant.

#### X. <u>General Provisions</u>

- A. Cost of Application Preparation: The State of Washington will not be liable for any costs incurred by the applicant associated with the preparation of the application.
- B. Waiver of Minor Irregularities: The SFMO and DSHS reserve the right to waive minor irregularities contained in grant applications.
- C. Failure to Comply: Applicants are specifically notified that failure to comply with any part of the application may result in rejection of the application as non-responsive.
- D. Application Amendments: The SFMO and DSHS reserve the right to amend this application. The SFMO/DSHS will mail any amendments issued to all applicants who requested the application. If a conflict exists between amendments, or between an amendment and the application, the document issued last shall take precedence. The published questions and answers are an amendment to the application.
- E. Authority to bind the State of Washington: The Chief of the Washington State Patrol and the Secretary of Department of Social Health Services and their designated representatives are the only people who may legally commit the state of Washington to grant agreements resulting from this application. <a href="https://doi.org/10.1007/jhtml.com/">THE GRANTEE SHALL NOT INCUR, AND THE STATE OF WASHINGTON SHALL NOT PAY, ANY COSTS INCURRED BEFORE A GRANT AGREEMENT IS FULLY EXECUTED.</a>
- F. Liability insurance: The grantee may be required to carry and maintain general public liability insurance in accordance with Washington State Risk Management Policies.
- G. Public Disclosure: Material submitted in response to this grant application shall become the property of the state of Washington. All applications received shall remain confidential until the grant(s), if any, resulting from this application is signed by the SFMO, DSHS, and the applicant; thereafter the proposals shall be deemed public records as defined in RCW 42.17.250 to 340.

In the event an applicant desires to claim that portions of its application are exempt from disclosure under the provisions of RCW 42.17.250 to 340, it is incumbent upon the applicant to identify those portions in a transmittal letter. The transmittal letter must identify the page and particular exception(s) from disclosure upon which it is making its claim. Each page claimed to be exempt from disclosure must be clearly identified by the word "confidential" printed on the lower right hand corner of the page.

The SFMO/DSHS will consider an applicant's request(s) for exemption from disclosure. However, the SFMO/DSHS will make a decision predicated upon applicable laws. An assertion by an applicant that an entire volume of its application is exempt from disclosure will not be honored. A charge will be assessed for copying and shipping of requested materials as outlined in RCW 42.17.300. No fee shall be charged for inspection of grant files, but twenty-four (24) hours notice to DSHS/SFM is required. Requests for information should addressed to the Application Coordinator.

#### **Application Checklist**

Information provided in the following questionnaire, along with the results of your site evaluation, will be the basis for your application's evaluation. Before completing the questionnaire, please read Section II, Eligibility for Funding, to ensure you meet the eligibility requirements.

Use the boxes throughout the document as a checklist for developing and completing your grant application.

Please submit your application in this order:

	The Application Cover Sheet serves as your application cover letter. <b>Do not submit additional cover letters.</b>
	A copy of your current boarding home license.
	Application Questionnaire:
✓	Retype or clearly write each question (except italics) completely and provide an answer immediately below it.
✓	Use 12pt. font and single line spacing for all questions and answers.
✓	Use 8.5" x 11" white paper.
	Bid Worksheet, with attached vendor bids. (Attachment 4-1 & 4-2)
	New Sprinkler System Estimated Cost Sheet. (Attachment 2)
	Letter of credit from a financial lending institution for the cost shown on the New Sprinkler System Estimated Cost Sheet, plus a 10% construction contingency.

## Boarding Home Fire Sprinklers Application Cover Sheet

1. Boarding Home Name and Address:	2. Contact Person for this Application, Title, Address, Phone Number and Fax:		
3. Boarding Home License Number:	Expiration Date:		
Please attach a copy of your cu	urrent boarding home license to ver sheet		
4. Do you have any contracts with the Depar Regional Support Network?	tment of Social and Health Services or a		
Yes No If you ans contract in DSHS Contract No. DSHS Administration	wered "yes," please list those contracts by: number, administration and type of contract below Type of Contract SSPS No.		
5. Boarding Home Owner:			
6. Boarding Home Owner Federal Identification	on Number:		
7. Project Duration Period:  Anticipated start date:	Anticipated completion date: (Grant funds must be expended by June 30, 2003)		
8. Funding Grant Request (A): Letter of Credit (B	Total Amount (A LP):		
9. DSHS Client Ratio Certification:	J Total Amount (A+b)		
By signing this Application Cover Letter, I am certifyin  Less than 15% of this adult boarding home's res  Between 15% and 75% of this adult boarding ho  More than 75% of this adult boarding home's clie	idents are DSHS and/or low income, me's residents are DSHS and/or low income clients,		
<ul> <li>10. Attachments:</li> <li>Application Questionnaire</li> <li>Copy of your current boarding home license</li> <li>Bid Worksheet, with Bids for sprinkler installation</li> <li>New Sprinkler System Estimated Cost Sheet</li> <li>Letter of Credit from a financial lending institution</li> <li>Estimated Cost Sheet plus a 10% construction</li> </ul>	on for the cost shown on the New Sprinkler System		
11. I CERTIFY TO THE BEST OF MY KNOWLEDGE THAT THE INFORMATION IN THIS APPLICATION IS TRUE AND CORRECT, THAT I AM AUTHORIZED TO SIGN AND SUBMIT THIS INFORMATION ON BEHALF OF THE APPLICANT. If the signatory is not a board chair, city manager, county executive, tribal chair, board of commissioner's chair, etc., a resolution authorizing the signatory to sign on behalf of the public body must be attached.			
12.			
PRINTED NAME TITLE	SIGNATURE DATE		

## **Application Questionnaire**Fire Sprinklers in Boarding Homes Grant Program

1.	What is the licensed bed capacity of your boarding nome?
2.	How many direct care staff, are typically on duty on the night shift?
3.	How many residents in your facility (total number at the time of application) are unable to independently take appropriate action in a fire emergency?
	"Unable to independently take appropriate action" means:

- A resident is unable to transfer independently from a bed or chair to a wheelchair or walker, or
- A resident is unable to ambulate independently, with or without the use of a mobility aid, or
- A resident is unable to ascend or descend stairs without the physical assistance of another person, or
- A resident may be physically capable of ambulating independently, but has cognitive limitations such that, he or she is unable to independently follow staff instructions.
   Cognitive limitations may be the result of a developmental disability, mental illness, dementia, stroke, traumatic brain injury, or other similar condition.
- For purposes of this application, a resident with "cognitive limitations" means a staff
  person would need to directly and continuously guide and supervise the resident to
  ensure he or she went to a safe location and remained there as directed. It would
  not include, for example, residents who could independently follow staff instructions
  to exit along a specified path to an exit door.
- 4. Describe your plan on how you will minimize disturbances to a client of your facility during fire sprinkler retrofitting. If required by the sprinkler installation, grantees may relocate residents to other care facilities licensed to provide the type of care needed by the residents.

#### **Considerations for Sprinkler Installation Bids**

All bids should take into account the following:

- The plan for sprinkler system installation must take into account the needs of individuals receiving care at the facility. Installation effects on service delivery must be kept to a minimum. Client relocation costs may be included with the bid if those costs are necessary for the safety of clients during installation. The installed sprinkler system should be consistent with the facilities aesthetic appearance and home like nature.
- 2. Bids shall comply with NFPA Standard 13. State minimum code allows the use of a NFPA 13R or 13D for smaller facilities; check with the local fire marshal for specific local jurisdiction requirements. A list of licensed and bonded fire sprinkler vendors is available by contacting the Application Coordinator.
- 3. **Bids must use local prevailing wage** in accordance with the Washington State Public Works Act.
- 4. **Bids must take into account all costs** associated with the installation of the sprinkler system. The following is a list of items that should be addressed in your bids:

#### A. Installation

- (1) Sprinkler system installation
- (2) Upgrades to existing infrastructure <u>required by sprinkler system installation</u>, including:
  - Water or power supply upgrades
  - Fire alarm system upgrades
- (3) Costs for water supply installation, including:
  - Underground installation costs including digging and concrete breaking/resurfacing, sod replacement
  - Cost for local water supplier hookup
- (4) Other infrastructure improvements <u>required by local code for the installation of the sprinkler system</u>
- (5) Aesthetic finishing costs required by sprinkler installation, such as molding, plastering, sheet rock, etc.
- (6) Hazardous material abatement, if necessary
- (7) Construction contingency (10%)
- (8) Sales tax

#### B. Development Costs

- (1) Architect/Engineer
- (2) Developer Fee
- (3) Project Management
- (4) Bidding Costs
- (5) Permits and Fees

#### C. Other Costs

Client relocation costs if necessary. If this cost is included with the bid, the cost must show the following detail:

- Housing costs
- Transportation costs
- Meals
- Additional staff salaries and benefits

#### **Attachment 2**

#### **New Sprinkler System Estimated Cost Worksheet**

		Footage	Χ	Value	=	Total Cost
1	Square footage of area to be sprinklered1:					
	For Type 13 Systems (commercial type)		X	\$2.03	=	
	For Type 13R Systems2 (facilities 4 stories or less)		X	\$1.45	=	
	For Type 13D Systems2		X	\$1.25	=	
2	Length in feet of underground pipe supplying sprinkler3:					
	For 6 inch diameter pipe		_ X	\$35.00	= .	
	For 4 inch diameter pipe		X	\$24.50	= .	
	For 2 inch diameter pipe (13D or 13R only)		X	\$20.82	= .	
3	Any water standby, hook up, or other charges				-	
4	Subtotal					
5	10 % construction contingency				_	
6	TOTAL – ESTMATED COST for installation when building	ng was new.				

<sup>1</sup> Square footage as measured from outside wall to outside wall. Square footage costs are based on ICBO published valuations with regional modifiers for sprinkler systems.

<sup>2</sup> State minimum code allows the use of a 13R or 13D system for smaller facilities; check with your local fire marshal for specific local jurisdiction requirements.

<sup>3</sup> Length of piping is measured from point of water main tap to building wall. Per lineal foot costs of underground piping is based on typical installation of pipe with typical valves for the system.

## Boarding Home Fire Sprinkler System Retrofit Project Most Frequently Asked Questions

## REMEMBER---YOU NEED TO OBTAIN A MINIMUM OF **TWO BIDS** FROM STATE LICENSED FIRE SPRINKLER CONTRACTORS

#### 1) Sprinkler pipe insulation for piping subject to freezing temperatures

♦ The sprinkler pipe must be insulated to maintain a minimum temperature of 40°. This can be provided by "tenting" or additional blown-in insulation. Check with the fire sprinkler contractor for details.

#### 2) Sprinkler pipe concealment

 If the retrofit requires some sprinkler piping in living areas to be exposed, there are several methods in which it can be concealed. Check with the fire sprinkler contractor for details.

#### 3) Standby/Hookup fees\*

◆ Some water purveyors may charge fees for providing water service to fire sprinkler systems. Check with your water purveyor for details.

#### 4) Water supply\*

 You can check with your water purveyor to obtain water main size and water pressure available at your facility.

\*If either #3 or #4 are of concern - for NFPA 13-D and 13-R designed systems, a "listed" commercially manufactured "stand alone" system, which combines a water storage tank and pressure pump in a compact package, is available. Contact the State Fire Marshal's office for further information.

## 5) Does your facilities' fire alarm system have a spare zone available for the fire sprinkler flow switch to be connected to?

- ♦ If yours has a single zone or antiquated panel, the panel may possibly have to be replaced. If necessary, this cost can be added to the grant application.
- 6) Is your fire alarm system "extended" to an approved fire alarm receiving center? If not, does it have the capability to be extended? (See # 5)
- 7) Have you included project engineering, management, building permit and Dept. of Health Construction Review Section plan review fees?
- 8) Have you considered the possible need for client relocation or meal catering services during the project? Check with the sprinkler contractor for details.

### **BID SUBMITTAL #1**

**SPRINKLER SYSTEM	VENDOR	BID PRICE
a*Permits and plan check fees		
b. Water supply connection		
c. Sprinkler system installation		
d. Attic insulation/tenting of pipe		
e. Soffiting of exposed piping		
f. Hazardous material abatement		
g. Cleanup		
h. Other (Itemize)		
	SPRINKLER SYSTEM SUB-TOTAL	

**FIRE ALARM SYSTEM	VENDOR	BID PRICE
UPGRADES		
a. Water flow switch connection		
b. Others (Itemize)		
c.		
d.		
	FIRE ALARM SYS. SUB-TOTAL	

**DEVELOPMENT COSTS	VENDOR	BID PRICE
a. Design and Engineering fees		
b. Bid management fees		
c. Project management fees		
	DEVELOPMENT COSTS SUB-TOTAL	

**CLIENT RELOCATION	VENDOR	BID PRICE
COSTS		
a. Meal catering		
b. Alternative housing		
c. Transportation		
d. Additional staff		
	CLIENT RELOCATION SUB-TOTAL	
GRAN		

<sup>\*</sup> All Plans must be approved by Dept. of Health Construction Review prior to any construction.

\*\* Wages at prevailing wage rates, and add sales tax to bid

#### **Attachment 4-2**

### **BID SUBMITTAL #2**

**SPRINKLER SYSTEM	VENDOR	BID PRICE
a*Permits and plan check fees		
b. Water supply connection		
c. Sprinkler system installation		
d. Attic insulation/tenting of pipe		
e. Soffiting of exposed piping		
f. Hazardous material abatement		
g. Cleanup		
h. Other (Itemize)		
	SPRINKLER SYSTEM SUB-TOTAL	

**FIRE ALARM SYSTEM UPGRADES	VENDOR	BID PRICE
a. Water flow switch connection		
b. Others (Itemize)		
c.		
d.		
	FIRE ALARM SYS. SUB-TOTAL	

**DEVELOPMENT COSTS	VENDOR	BID PRICE
a. Design and Engineering fees		
b. Bid management fees		
c. Project management fees		
	DEVELOPMENT COSTS SUB-TOTAL	

**CLIENT RELOCATION	VENDOR	BID PRICE
COSTS		
a. Meal catering		
b. Alternative housing		
c. Transportation		
d. Additional staff		
	CLIENT RELOCATION SUB-TOTAL	
GRAND TOTAL		

<sup>\*</sup> All plans must be approved by Dept. of Health Construction Review prior to any construction.

\*\* Wages at prevailing wage rates, and add sales tax to bid